CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

- 1. (Currently Amended) A temperature compensated actuator device comprising:
- a piezoelectric stack having first and second ends along a central axis and having a first thermal expansion coefficient;
 - a compensator arranged on one end of the piezoelectric stack comprising:
 - a-first-member in-form of a cylinder;
- a second member in form of a piston plate, wherein the first member said cylinder and the second member are piston plate arranged movably along said axis with respect to each other and define a hollow space between them; and
- a compensation member <u>for filling said hollow space</u>, said member having a thermal expansion coefficient higher than the first thermal expansion coefficient for <u>filling said hollow space</u> the piezoelectric stack.
- 2. (Original) The actuator device as in claim 1, further comprising a top plate and a bottom plate in between which said piezoelectric stack and said compensator are arranged.
- 3. (Original) The actuator device as in claim 2, wherein said top plate comprises at least one opening through which said piezoelectric stack can be electrically contacted.
- 4. (Original) The actuator device as in claim 1, wherein said piezoelectric stack comprises a plurality of piezoelectric elements.

- 5. (Currently Amended) The actuator device as in claim 1, wherein said first member cylinder is a cup shaped cylinder having an opening and said second memberpiston plate is a plate having an elevated section which fits within said opening.
- 6. (Original) The actuator device as in claim 2, further comprising a tube spring coupling said top and bottom plate for preloading said compensator.
- 7. (Original) The actuator device as in claim 6, wherein said tube spring is made of metal.
- 8. (Original) The actuator device as in claim 7, wherein the metal has a thermal coefficient of about 11,5x10-6/K.
- 9. (Currently Amended) The actuator device as in claim 1, wherein the first member cylinder comprises an inner cavity and an opening, wherein [[a]]the piston plate of said second member is movably arranged within said cavity through said opening to define said hollow space.
- 10. (Original) The actuator device as in claim 9, further comprising a spring arranged within said cavity between said piston plate and said opening.
- 11. (Currently Amended) The actuator device as in claim 9, wherein the first membercylinder comprises two parts which can be coupled via a connecting thread.
- 12. (Currently Amended) The actuator device as in claim 9, wherein the second memberpiston plate comprises two parts which can be coupled via a connecting thread.
- 13. (Original) The actuator device as in claim 1, wherein the compensation member is made of plastic having a high thermal expansion coefficient.

- 14. (Original) The actuator device as in claim 13, wherein the thermal coefficient is about 100x10-6/K.
- 15. (Currently Amended) The actuator device as in claim 1, wherein the first and second membercylinder and piston plate are made of metal.
- 16. (Original) The actuator device as in claim 15, wherein the metal has a thermal coefficient of about 11,5x10-6/K.
 - 17. (Currently Amended) A fuel injector valve comprising:
- a body having an inner cavity for receiving a piezoelectric actuator, wherein the cavity comprises an opening which forms a control valve by means of a valve member which can be actuated by said piezoelectric actuator, wherein

the piezoelectric actuator device comprises:

- a piezoelectric stack having first and second ends along a central axis and having a first thermal expansion coefficient;
 - a compensator arranged on one end of the piezoelectric stack comprising:
 - a first member in form of a cylinder;
- a second member in form of a piston plate, wherein the first membersaid cylinder and the second member are piston plate arranged movably along said axis with respect to each other and define a hollow space between them; and
- a compensation member <u>for filling said hollow space</u>, <u>said member</u> having a thermal expansion coefficient higher than the first thermal expansion coefficient <u>for filling said hollow space</u>.
- 18. (Original) The fuel injector valve as in claim 17, further comprising a top plate and a bottom plate in between which said piezoelectric stack and said compensator are arranged.

- 19. (Original) The fuel injector valve as in claim 18, wherein said top plate comprises at least one opening through which said piezoelectric stack can be electrically contacted.
- 20. (Original) The fuel injector valve as in claim 17, wherein said piezoelectric stack comprises a plurality of piezoelectric elements.
- 21. (Currently Amended) The fuel injector valve as in claim 17, wherein said first membercylinder is a cup shaped cylinder having an opening and said second memberpiston plate is a plate having an elevated section which fits within said opening.
- 22. (Original) The fuel injector valve as in claim 18, further comprising a tube spring coupling said top and bottom plate for preloading said compensator.
- 23. (Original) The fuel injector valve as in claim 22, wherein said tube spring is made of metal.
- 24. (Original) The fuel injector valve as in claim 23, wherein the metal has a thermal coefficient of about 11,5x10-6/K.
- 25. (Currently Amended) The fuel injector valve as in claim 17, wherein the first membercylinder comprises an inner cavity and an opening, wherein [[a]]the piston plate of said second member is movably arranged within said cavity through said opening to define said hollow space.
- 26. (Original) The fuel injector valve as in claim 25, further comprising a spring arranged within said cavity between said piston plate and said opening.
- 27. (Currently Amended) The fuel injector valve as in claim 25, wherein the first membercylinder comprises two parts which can be coupled via a connecting thread.

- 28. (Currently Amended) The fuel injector valve as in claim 25, wherein the second member piston plate comprises two parts which can be coupled via a connecting thread.
- 29. (Original) The fuel injector valve as in claim 17, wherein the compensation member is made of plastic having a high thermal expansion coefficient.
- 30. (Original) The fuel injector valve as in claim 29, wherein the thermal coefficient is about 100x10-6/K.
- 31. (Currently Amended) The fuel injector valve as in claim 17, wherein the first and second member cylinder and piston plate are made of metal.
- 32. (Original) The actuator device as in claim 31, wherein the metal has a thermal coefficient of about 11,5x10-6/K.